

MOL Neoma GT 2EP

calcium complex lubricating grease



MOL Neoma GT 2EP is a lubricating grease produced from highly refined base oil components and a calcium complex thickener, that enable beneficial evaporation and oxidation properties even at high temperatures. It also has inherent EP properties. It contains antiwear and oxidation and corrosion inhibitors and EP additives for increasing its performance. The polymer content ensures a good water resistance and adhesion to the product. It contains PTFE (Teflon) and finely divided graphite powder as solid additives, which improve its load carrying ability. Its special applications include the lubrication of equipment used for crude oil and natural gas production exposed to critical loads. It is a medium soft black product. The temperature range of application is between -20 °C and +180°C.

Application



- Drill bits and shanks used in crude oil and natural gas exploration
- High temperature applications
- Equipment exposed to dynamic water loads
- Heavy-duty rolling bearings
- Equipment exposed to vibration
- Individual lubrication systems

Features and benefits

High performance solid additive content	Solid additives increase the load-carrying properties at lubrication points, so the risk of seizure is reduced Effective wear protection even under shock loads and low speeds Reduces heat of friction, even in mixed lubrication conditions, so increases the service life of lubricating grease
Excellent load-carrying properties	Lubricating film is not broken, even under heavy loads, due to its natural EP properties Contributes to increasing equipment lifetime
Improved wear protection	Wear of contacting surfaces is significantly reduced
Good tackiness, giving improved dynamic water resistance	Forms a continuous lubricating film which adheres strongly to the metal surface, even under loads in the presence of water Reduced losses due to leakage, so re-lubrication cycle time is increased Not washed out from the lubrication point, even on exposure to a large volume of water
Resistant to vibration	Lubricating grease structure remains stable; grease does not soften or run off the greasing point
Exceptional thermal and oxidation stability	No hardening of lubricating grease at high temperatures and minimum oil separation Cycle time of re-lubrication can be increased significantly
Excellent corrosion protection	Extreme long term protection of steel and non-ferrous metal parts even in the presence of moisture

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Specifications and approvals

NLGI grade: NLGI 1/2
DIN 51502: MPF1/2R-20
ISO 6743-9: L-XBFHB 1/2

Properties

Properties	Typical values
Appearance	black, homogenous
Base oil viscosity at 40 °C [mm ² /s]	100
Dropping point [°C]	300
Penetration after 60 strokes at 25 °C [0,1 mm]	310
Four ball test, weld load [N]	4600
Oxidation stability at 100 h / 100 °C pressure drop [kPa]	35
Corrosion at 100 °C/ 24 h (steel)	pass
Copper corrosion (100 °C, 24 h) [grade]	1 b
Oil separation (100 °C/24 h) [mass %]	3

The characteristics in table are typical values of the product and do not constitute a specification.

Storage and handling instructions

The product does not contain any toxic materials. During storage and handling the product usual health safety regulations for mineral oil products should be observed. It should be stored at covered place, free of direct sunlight and moisture.

In the original container under the recommended storage conditions: 24 months

Recommended storage temperature: -5°C - +45°C

Ordering information

Custom Tariff Number 27101999

SAP code and packaging:

13005325 MOL Neoma GT 2EP 8KG

8 kg steel pail (for order only)

Order booking:

Please contact your local distributor or sales partner for ordering details.